

PROJECT DESCRIPTION

THIS PROJECT INVOLVES THE INSTALLATION OF LED SIGNAL HEADS, A STREET NAME SIGN FOR COLLEGE PARKWAY ALONG MD 2 AND INTERSECTION LIGHTING IN THE SOUTHEAST CORNER OF THE INTERSECTION. MD 2 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION.

INTERSECTION OPERATION

THIS INTERSECTION WILL OPERATE IN A NEMA FOUR-PHASE FULL-TRAFFIC-ACTUATED MODE. THE MD 2 SOUTHBOUND LEFT TURNS OPERATE IN EXCLUSIVE PHASING. NORTHBOUND MD 2 HAS AN EMERGENCY PRE-EMPTION PHASE.

CONTROLLER REQUIREMENTS

THE EXISTING FULL-TRAFFIC-ACTUATED EIGHT PHASE TRAFFIC SIGNAL CONTROLLER WITH TELEMETRY CABLE HOUSED IN A BASE MOUNTED CABINET SHALL REMAIN.

CONTACT PERSONS FOR DISTRICT #5 ARE AS FOLLOWS:

MS. KIMBERLY TRAN  
ASSISTANT DISTRICT ENGINEER-TRAFFIC  
PHONE: (410) 841-1019

MR. JAMES FOLDEN  
ASSISTANT DISTRICT ENGINEER - CONSTRUCTION  
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MR. JAMES MAYS  
ASSISTANT DISTRICT ENGINEER - MAINTENANCE  
(410) 841-1013

CONTACT PERSONS FOR OOTS ARE AS FOLLOWS:

MR. RICHARD L. DAFF, SR.  
CHIEF, TRAFFIC OPERATIONS  
DIVISION  
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MR. ROBERT SNYDER  
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(410)787-7630

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CHIEF, SIGN OPERATIONS  
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EQUIPMENT LIST "A,B & C"

A. EQUIPMENT TO BE SUPPLIED BY THE SHA

ITEM NO.	DESCRIPTION
9000	12" X 30' STRAIN POLE
9571	SHEET ALUMINUM SIGNS - MAST ARM/POLE MOUNTED 2 - R3-5L (30"X36") 1 - D-3(1) (VAR. X16") - DUAL FACED

UNIT	QUANTITY
EA	1
SF	26

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR

ITEM NO.	DESCRIPTION
1003	MAINTENANCE OF TRAFFIC
2002	TEST PIT EXCAVATION
5006	F & I 5" HEAT APPLIED WHITE OR YELLOW PERMANENT PAVEMENT LINE MARKINGS
8006	F & I ANY SIZE LIGHTING ARM ON SIGNAL POLE WITH 250 WATT HPS LAMP & LUMINAIRE
8012	INSTALL STEEL STRAIN OR MAST ARM POLE WITH SINGLE OR TWIN MAST ARM(S)
8021	REMOVE & DISPOSE MATERIAL AND EQUIPMENT PER ASSIGNMENT
8031	DISCONNECT, PULL-BACK & REROUTE CABLES
8033	F & I SCHEDULE 80 RIGID PVC CONDUIT UP TO 4" - BORED
8035	F & I SCHEDULE 80 RIGID PVC CONDUIT UP TO 4" - TRENCHED
8038	INSTALL OVERHEAD OR GROUND MOUNTED SIGN (INCLUDING ALL HARDWARE)
8040	F & I NO. 6 AWG STRANDED BARE COPPER GROUND WIRE
8046	F & I ELECTRICAL HANDHOLE
8050	F & I 12" LED VEHICULAR TRAFFIC SIGNAL HEAD SECTION
8057	F & I ELECTRICAL CABLE - 7 CONDUCTOR (NO. 14 AWG)
8058	F & I ELECTRICAL CABLE - 2 CONDUCTOR (NO. 12 AWG) TC

UNIT	QUANTITY
EA	1
CY	2
LF	70
EA	3
EA	1
LF	40
LF	130
LF	15
SF	26
LF	135
EA	1
EA	27
LF	60
LF	220

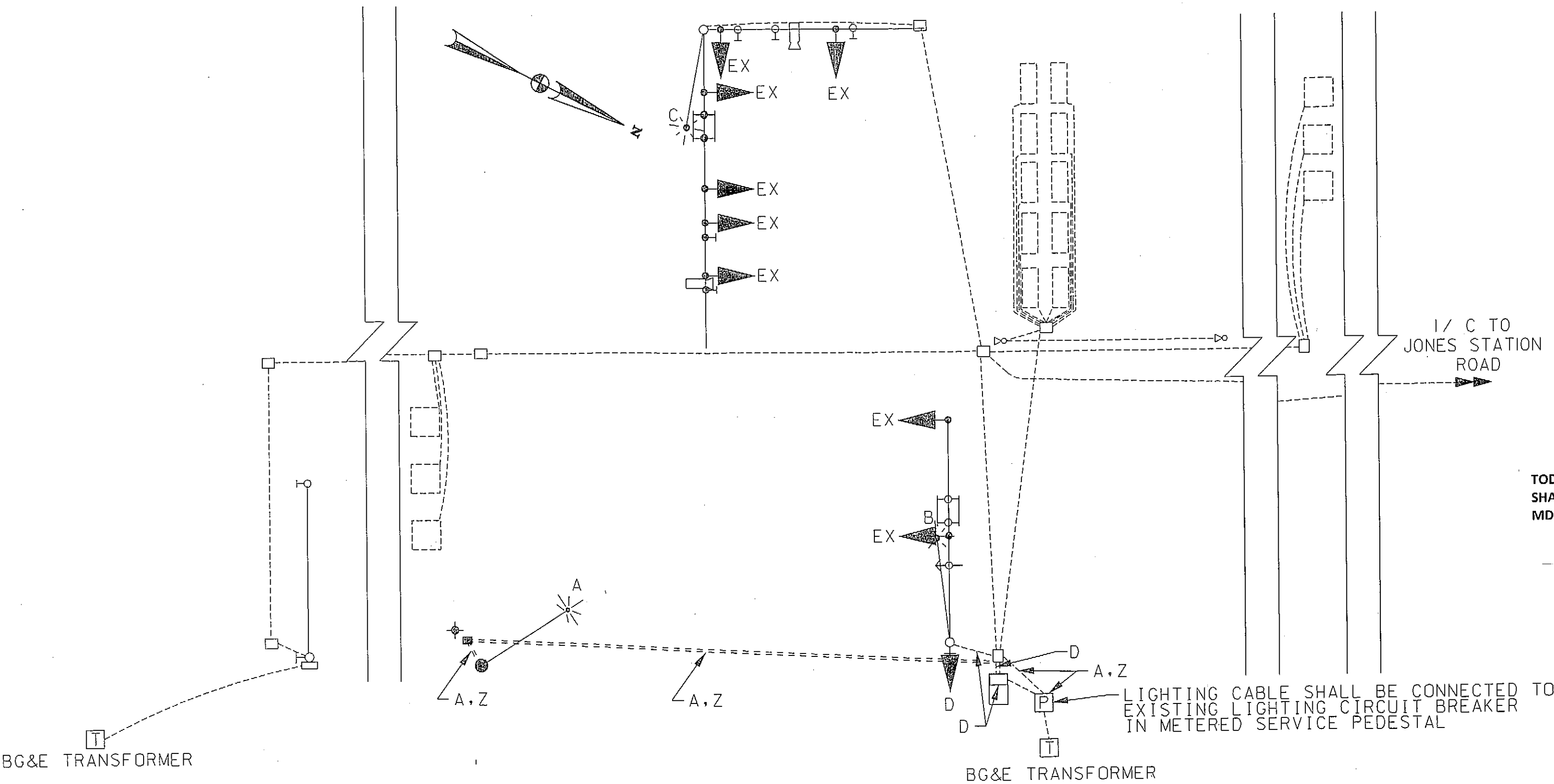
C. ALL MATERIALS TO BE REMOVED BY THE CONTRACTOR SHALL BECOME THE PROPERTY OF THE CONTRACTOR.

PHASING CHART

NO PHASE CHANGE

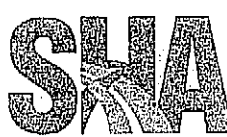
GENERAL NOTES

1. THE CONTRACTOR SHALL VERIFY ALL PROPOSED POLE LOCATIONS PRIOR TO INSTALLATION.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING ALL SIGNAL CABLE TO THE APPROPRIATE TERMINALS AND PROPERLY LABELING EACH CABLE.
3. ALL UNUSED CABLE SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR.
4. UNDERGROUND UTILITIES SHOWN ON THESE PLANS ARE SCHEMATIC ONLY AND MAY NOT BE COMPLETE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING "MISS UTILITY" PRIOR TO CONSTRUCTION SO THAT ALL UTILITIES MAY BE LOCATED IN THE FIELD. IF THE CONTRACTOR PERCEIVES THAT A CONFLICT BETWEEN THE UTILITIES AND THE TRAFFIC SIGNAL WILL OCCUR, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IMMEDIATELY SO THAT THE CONFLICT MAY BE RESOLVED.
5. ALL TRAFFIC SIGNAL FOUNDATIONS SHALL BE INSTALLED AT THE FINAL SIDEWALK OR CURB GRADE FOR CLOSED SECTIONS, HIGHEST ROADWAY PROFILE GRADE FOR OPEN SECTIONS, TO MEET CLEARANCES AS SPECIFIED IN MD 816.03, MD 818.01, MD 818.02, MD 818.04. THE CONTRACTOR SHALL VERIFY ULTIMATE GRADES PRIOR TO THE INSTALLATION OF ALL SIGNAL EQUIPMENT.



WIRING KEY	
EX	USE EXISTING CABLE
A	2-CONDUCTOR ELECTRICAL CABLE (NO. 12 AWG) TC
B,C	DISCONNECT, PULL BACK AND REROUTE EXISTING CABLE
D	7-CONDUCTOR ELECTRICAL CABLE (NO. 14 AWG)
Z	STRANDED BARE COPPER GROUND WIRE (NO. 6 AWG)
+	PROPOSED GROUND ROD

TOD NO: XX447-215  
SHA NO: AA267A59/CS9  
MD 2 @ College Parkway



STATE OF MARYLAND  
DEPARTMENT OF TRANSPORTATION  
STATE HIGHWAY ADMINISTRATION

OFFICE OF TRAFFIC & SAFETY  
TRAFFIC ENGINEERING DESIGN DIVISION

MD 2 AT COLLEGE PARKWAY  
ARNOLD, MARYLAND

REVISIONS		GENERAL INFORMATION SHEET	
SCALE	NONE	DATE	MARCH 2011
CONTRACT NO.	XX4475185	DESIGNED BY	BJG
COUNTY	ANNE ARUNDEL	DRAWN BY	BJG
LOGMILE	02000226.97	CHECKED BY	BLB
TMS NO.	K-712	FAP NO.	
TOD NO.		TS NO.	573K-GI
DRAWING	SP-2	OF	2
SHEET NO.	2	OF	2



PLOTTED: Tuesday, March 01, 2011  
FILE: p8G-0022\_MD2@College.dgn